

Final AGENDA

Model Evaluation and Model Development Plan/Strategy Workshop

April 11-13, 2004

**Location: Tyco Headquarters
1 Town Center Road
Boca Raton, FL 33486
(561) 988-3600**

KISSIMMEE BASIN HYDROLOGIC ASSESSMENT, MODELING, AND OPERATIONS PLANNING

April 11 AGENDA

- 0900 – 0930:** **Introductions and Preliminary Remarks**
 Ed Kent
- **Introductions**
 - **Project Overview**
 - **Model Evaluation and Plan/Strategy Tasks**
 - **Purpose and Strategy for Workshop**
- 0930 - 1000** **Outline of model shortlisting procedure and format for individual presentations**
 Fernando Miralles-Wilhelm
- **Evaluation Criteria/Tiers**
 - **Relevance of Modeling to Problems in the Basin (see Section 3.6 in Problem ID Report)**
 - **Model Inventory**
 - **Shortlisting Process and Results**
 - **Format for Shortlisted Model Presentations**
- 1000 – 1200:** **Model No. 1: XP-SWMM**
 Presentation (90 min) and Q&A (30 min) (*)
 Presenter: Anthony Kuch
 XP Software
- 1200 – 1245:** **Lunch**
- 1245 – 1445:** **Model No. 2: MODFLOW**
 Presentation AND Q&A (*)
 Presenter: Jesse Schwalbaum
 Earth Tech
- 1445-1500** **-Break-**

1500 – 1700:	Model No. 3: Mike11/SHE Presentation and Q&A (*) Presenter: Henrik Sorensen DHI Software
1700 – 1715:	Summary and Agenda for Day 2
1715:	Day 1 Adjourned

April 12 AGENDA

- 1000 – 1200:** **Model No. 4: WASH123D
Presentation and Q&A (*)
Presenter: George T. Yeh
University of Central Florida**
- 1200 – 1245:** **Lunch**
- 1245 – 1445:** **Model No. 5: FTLOADDS
Presentation and Q&A (*)
Presenter: Eric Swain
USGS**
- 1445- 1500:** **-Break-**
- 1500 – 1700:** **Model No. 6: MOD-HMS
Presentation and Q&A (*)
Presenter: Sorab Panday
Hydrogeologic Inc.**
- 1700 – 1715:** **Summary and Agenda for Day 3**
- 1715:** **Day 2 Adjourned**

April 13 AGENDA

- 0900 – 0930:** **Summary of Day 1-2 Presentations**
Framework for Group Discussion
Fernando Miralles-Wilhelm/Kent Loftin
- **Components of Framework**
 - **How concept of multiple models handled**
- 0930 – 1200:** **Group Discussion on Model Evaluation**
-Group Recommendations for Selection of Model(s)-
- 1200 – 1300:** **Lunch Break**
- 1300 – 1445:** **Overall group discussion on model development strategy I**
- **Model Construction Relative to Objectives and Data Availability**
 - **Use data from existing models**
 - **Temporal and spatial discretization**
 - **Hydrogeologic parameters and input into the model**
 - **Data tool tie-ins GIS, ArcHydro**
 - **Desired Model Flexibility/Adaptability**
 - **Integration with other KB modeling**
 - **Detailed (slower) vs. screening (faster) modes**
 - **Maintenance/recalibration**
 - **Data Availability, Limitations, Acquisition**
 - **Spatial and temporal data availability**
 - **Quality and period of record**
 - **Strategy for acquisition of existing data from the SFWMD**
 - **Calibration and Verification Requirements**
 - **Storm characteristics/Events**
 - **Calibration/verification metrics**
 - **Calibration/verification targets**
 - **Uncertainty and Sensitivity**
 - **Data error vs. model error**
 - **Process to address uncertainty**
 - **Sensitivity analysis**
 - **Management of Project Changes**
 - **Team Performance**
 - **Funding by the District**
 - **Changes due to feedback from the SFWMD**

1445-1500:

-Break-

1500 – 1630:

Overall group discussion on model development strategy II

- **Model Development Schedule**
- **Critical paths**
- **Data Compilation and Organization**
- **Protocol for QA/QC**
- **Estimate level of effort required**
- **Identify model development staffing**
- **Modeling plan: putting it together**
- **Implementation strategy**

1630 – 1700:

Summary and closing comments

1700:

Meeting adjourned

***See Exhibit A- Model Evaluation Presentation Outline**